

NOV 04 2024

Substitute for f

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

1

Complete if known

Application Number	10/809.232
--------------------	------------

Filing Date	March 25, 2004
-------------	----------------

First Named Inventor	Yael Vodovotz
----------------------	---------------

Art Unit	1761
----------	------

Examiner's Name	To Be Determined
-----------------	------------------

Attorney Docket Number	22727/04211
------------------------	-------------

[illegible][illegible]

Examiner
Signature

/Anthony Weier/ (02/20/2007)

Date
Considered

02/20/2007

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indicate of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and election option 2.

Under the Paperwork Reduction Act of 1995, no person is required to provide information unless it displays a valid control number.

Complete if known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	1	of	5
-------	---	----	---

Application Number	10/809,232
Filing Date	March 25, 2004
First Named Inventor	Yael Vodovotz
Art Unit	1761
Examiner's Name	To Be Determined
Attorney Docket Number	22727/04211

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

/Anthony Weier/ (02/20/2007)

Date
Considered

02/20/2007

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ² Applicant's unique citation designation number (optional). ³ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indicate of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁷ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and election option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if known	
				Application Number	10/809,232
				Filing Date	March 25, 2004
				First Named Inventor	Yael Vodovotz
				Art Unit	1761
				Examiner's Name	To Be Determined
Sheet	2	of	5	Attorney Docket Number	22727/04211

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published	T ²
AW		Abstract, ZHANG <i>et al.</i> , "Almond addition enriches isoflavone aglycones in soy bread", <u>2004 IFT Annual Meeting</u> , July 12-16, 2004, Las Vegas, NV.	
		Abstract, ZHANG <i>et al.</i> , "Isoflavone content and anti-cancer activity of soy bread and its components", <u>2002 IFT Annual Meeting and Food Expo</u> , Anaheim, CA (2002).	
		Abstract, ZHANG <i>et al.</i> , "Proofing condition on the distribution of isoflavones in soy bread", <u>2004 IFT Annual Meeting</u> , July 12-16, Las Vegas, NV (2004).	
		COWARD <i>et al.</i> , "Chemical modification of isoflavones in soy foods during cooking and processing" <u>Am. J. Clin. Nutr.</u> (1998) Volume 68 (Suppl.), Pages 1486S-1491S.	
		GUNATA <i>et al.</i> , "Stability of free and bound fractions of some aroma components of grape c.v. Muscat during the wine processing. Preliminary Results", <u>Am. J. Enol. Vitic.</u> (1986) Volume 37, Pages 112-114.	
		HENDRICH and MURPHY, "Isoflavones: Sources and Metabolism", <u>Handbook of Nutraceuticals and Functional Foods</u> (2001) CRC Press, Boca Raton, FL, pages 55-75.	
		HSIEH and GRAHAM, "Partial purification and characterization of a soybean β -glucosidase with high specific activity towards isoflavone conjugates" <u>Phytochemistry</u> (2001) Volume 58, Pages 995-1005.	
		INTERMETRO INDUSTRIES CORPORATION, "Metro [®] Holding/Proofing Cabinets - Uninsulated, C175 Flavorview [™] Series" 2002.	
AW		IZUMI <i>et al.</i> , "Soy Isoflavone Aglycones Are Absorbed Faster and in Higher Amounts than Their Glucosides in Humans", <u>J. Nutr.</u> (2000) Volume 130, Pages 1695-1699.	

Examiner Signature	/Anthony Weier/ (02/20/2007)	Date Considered	02/20/2007
--------------------	------------------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and election option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if known	
				Application Number	10/809,232
				Filing Date	March 25, 2004
				First Named Inventor	Yael Vodovotz
				Art Unit	1761
Examiner's Name	To Be Determined				
Sheet	3	of	5	Attorney Docket Number	22727/04211

		Lee et al., "Isoflavone Characterization and Antioxidant Activity of Ohio Soybeans", The Ohio State University, Food Science & Technology Department, Department of Horticulture and Crop Science; Seoul National University of Technology, Seoul, Korea.	
AW		MATEO and STEFANO, "Description of the β -glucosidase activity of wine yeast" <u>Food Microbiology</u> (1997) Volume 14, Pages 583-591.	
		MATSUURA and OBATA, " β -glucosidases from soybeans hydrolyze daidzin and genistin" <u>J. Food Science</u> (1993) Volume 58, Number 1, Pages 144-147.	
		MATSUURA et al., "Studies on β -glucosidases from soybeans that hydrolyze daidzein and genistein: isolation and characterization of an isozyme" <u>Biosci. Biotech. Biochem.</u> (1995) Volume 59, Number 9, Pages 1623-1627.	
		McCUE and SHETTY, "Role of Carbohydrate-cleaving enzymes in phenolic antioxidant mobilization from who soybean fermented with <i>Rhizopus Oligosporus</i> ", <u>Food Biotechnology</u> (2003) Volume 17, Number 3, Pages 27-37.	
		MIURA et al., "Isoflavone Aglycon Produced by Culture of Soybean Extracts with Basidiomycetes and Its Anti-angiogenic Activity", <u>Biosci. Biotechnol. Biochem.</u> (2002) Volume 66, Number 12, Pages 2626-2631.	
		RICHELLE et al., "Hydrolysis of Isoflavone Glycosides to Aglycones by β -Glycosidase Does Not Alter Plasma and Urine Isoflavone Pharmacokinetics in Postmenopausal Woman", <u>J. Nutr.</u> (2002) Volume 132, Pages 2587-2592.	
		PANDJAITAN et al., "Enrichment of genistein in soy protein concentrate with β -glucosidase", <u>J. Food Science</u> (2000) Volume 65, Number 3, Pages 403-407.	
		SETCHELL et al., "Bioavailability of Pure Isoflavones in Healthy Humans and Analysis of Commercial Soy Isoflavone Supplements", <u>J. Nutr.</u> (2001) Volume 131, Pages 1362S-1375S.	
AW		SUE et al., "Purification of characterization of a hydroxamic acid glucoside β -glucosidase from wheat (<i>Triticum aestivum</i> L.) seedlings" <u>Planta</u> . (2000) Volume 210, Pages 432-438.	

Examiner Signature	/Anthony Weier/ (02/20/2007)	Date Considered	02/20/2007
--------------------	------------------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO				Complete if known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/809,232
				Filing Date	March 25, 2004
				First Named Inventor	Yael Vodovotz
				Art Unit	1761
				Examiner's Name	To Be Determined
(Use as many sheets as necessary)				Attorney Docket Number	22727/04211
Sheet	4	of	5		

AW		VODOVOTZ, Y., "Bioavailability and Biological Effects of Soy Isoflavones", Power Point Presentation printed from www.grad.fst.ohio-state.edu/vodovotz on September 13, 2004.	
		WALSH <i>et al.</i>, "Bioaccessability of isoflavone aglycones from soy food is enhanced by bile salts during <i>in vitro</i> digestion", The Ohio State University, Interdisciplinary PhD Program in Nutrition, Food Science & Technology Department, Department of Human Nutrition.	
		ZHANG <i>et al.</i>, "Changes in distribution of isoflavones and β-glucosidase activity during soy bread proofing and baking", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i>, "Changes in water state and distribution in soy cotaining bread during storage", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i>, "Effect of proofing on the distribution of isoflavones in soy bread", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i>, "Effects of soy addition on the state of water and isoflavone content in bread", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i>, "Isoflavone composition and biological activity of extracts from soy bread crumb and crust", The Ohio State University, Food Science & Technology Department.	
AW		ZHANG <i>et al.</i> , "Isoflavone Content and Anti-Cancer Activity of Soy Bread and Its Components", The Ohio State University, Food Science & Technology Department, June 18, 2002.	
		ZHANG <i>et al.</i>, "The Effect of Bread-Making on Isoflavone Content and Composition in Soy Bread", The Ohio State University, Food Science & Technology Department.	
		ZHANG <i>et al.</i>, "The Effect of <i>In Vitro</i> Soy Bread Digestion on Isoflavone Profile", The Ohio State University, Food Science & Technology Department and Department of Human Nutrition.	

Examiner Signature	/Anthony Weier/ (02/20/2007)	Date Considered	02/20/2007
--------------------	------------------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and election option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use as many sheets as necessary)</p>				Complete if known	
				Application Number	10/809,232
				Filing Date	March 25, 2004
				First Named Inventor	Yael Vodovotz
				Art Unit	1761
				Examiner's Name	To Be Determined
				Attorney Docket Number	22727/04211
				Sheet	5

[illegible]

Examiner Signature	/Anthony Weier/ (02/20/2007)	Date Considered	02/20/2007
--------------------	------------------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and election option 2.